BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Footpath and Drains at park, HMT Layout in Ward No. 09, (Vidyaranyapura) Vidyaranyapura Sub Division.

009-18-000013		P-3296 14th Fin				Est Cost Rs.		2000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	3rd Main Roada Side		1	135.00	0.45	0.35	21.26		
			1	144.00	0.45	0.35	22.68		
	Culvert		1	8.00	2.00	1.20	19.20		
	Basic Rate	130.00					**63.14**	250.24	**15801.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		236.08							
	Area Weightage @6%	14.16							
	Total	**250.24**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	3rd Main Roada Side		1	135.00		1.35	182.25		
			1	144.00		1.35	194.40		
							376.65		
	Deduct 30% Damaged Slabs						113.00		
	Basic Rate	105.00					**263.66**	111.30	**29345.00**
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.2 PWD SR 2018-19**	Sqm							
	Deduct 30% Damaged Slabs		Vide Item No. 2				113.00		
	Basic Rate	912.00					**113.00**	966.72	**109235.00**
	Area Weightage @ 6%	54.72							
	Total	**966.72**							
4	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(Page No. 13 / Item No. 4.2 PWD SR 2018-19**	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Culverts		1	8.00	2.00	0.15	2.40		
	Basic Rate	5194.00					**2.40**	5505.64	**13214.00**
	Area Weightage @ 6%	311.64							
	Total	**5505.64**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 25 / Item No. 5.9, PWD SR 2018-19**	Cum							
	For Culverts		2	8.00	0.60	0.90	8.64		
	Basic Rate	5483.00					**8.64**	5811.98	**50216.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
6	KSRB 15.1.3 Providing **ruled pointing 20 mm** deep to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
	For Culverts		2	8.00		0.80	12.80		
	Basic Rate	142.00					**12.80**	150.52	**1927.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
7	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
	3rd Main Roada Side		2	135.00		0.60	162.00		
			2	144.00		0.60	172.80		
	Basic Rate	924.00					**334.80**	979.44	**327917.00**
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
8	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
	3rd Main Roada Side Coping Raising Drain		2	135.00	0.20	0.15	8.10		
			2	144.00	0.20	0.15	8.64		
	Vent Concrete		1	135.00	0.45	0.15	9.11		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	144.00	0.45	0.15	9.72		
	Culvert Coping		1	8.00	1.80	0.10	1.44		
	Ramp		2	8.00	1.00	0.15	2.40		
	Basic Rate	5422.00					**39.41**	5747.32	**226516.00**
	Area Weightage @ 6%	325.32							
	Total	**5747.32**							
9	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain Slab		225	0.90	0.60		121.50		
			240	0.90	0.60		129.60		
							251.10	2337.00	**586821.00**
10	Providing **precast slab of 250 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	Culvert Deck Slab		14	1.80	0.60		15.12		
							15.12	5418.00	**81920.00**
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete **Page No. 27 / Item No. 5.30 PWD SR 2018-19**	No							
			1	135.00			300		
				0.45					
			1	144.00			320		
				0.45					
	Basic Rate	408.00					**620**	432.48	**268138.00**
	Area Weightage @ 6%	24.48							
	Total	**432.48**							
12	KSRB 15-19.1 : Providing and applying **ready mix priming coat over** concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 124 / Item No. Item No. 15.80, PWD**	Sqm							
	Kerb Stone Painting								
			1	135.00		0.35	47.25		
			1	144.00		0.35	50.40		
	Basic Rate	37.00					**97.65**	39.22	**3830.00**
	Area Weightage @ 6%	2.22							
	Total	**39.22**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRB 15-19.2 : Providing and applying **spray painting in two coats (excluding priming coat)** over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per	Sqm							
			Qty Vide Item No. 12				97.65		
	Basic Rate	85.00					**97.65**	90.10	**8798.00**
	Area Weightage @ 6%	5.10							
	Total	**90.10**							
	Sub Total								**1723678.00**
	GST Charges @ 12%								**206841.00**
	KRIDL Charges @ 3%								**51710.00**
	Labour Cess @ 1%								**17237.00**
	Add for unforseen and rounding off	L/S							**534.00**
								Total	**2000000.00**
	Rupees Twenty Lakh(s) Only								

Certificate:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per P.W.D S.R of 2018-19.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

12/2/19
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Project Division, Yelahanka Zone

12/2/19
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Project Division, Yelahanka Zone

Administrative Approval

Accorded For RS 20 w/s Jakkenahally
Head of A/C 123296
CER NO : 181 **Dt:** 15.02.2019

TA CE (YNK)